Purchase Order Receipt Listing

Tuesday, May 23, 2017 10:02:12 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO36346 Receipt Dates from 5/19/2017 to 5/19/2017 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

lino	Project ID Deference/	Poforonco/) W/I Od	Document Design	-	0				
Nbr/ Insp Req		Description/ Cert Std	Stock U/M	Required Oty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
ndor Name		VC-CAM002 Acier (Acier Ouellette Inc.							
6)	- M6061T6R0.625	فيسد	5/19/2017	5/19/2017	20.0000	\$0.71	0.0000	0	\$14.27
No	2	6061-T6 Round Bar .625" m137599	4 -	20.0000	PLOU01		\$14.27	0.0000		
10	A	M6061T6R1.000	J.	5/19/2017	5/19/2017	20.0000	188	00000	c	\$185
S _o	8	ROUND BAR 1.00"	رب 2	20.0000			\$36.15	0.0000		
		(1113/399								
=	7	-M6061T6S.063	sť	5/19/2017	5/19/2017	00000.96	\$2.28	0.0000	0	\$219.04
No		6061-T6.063 Sheet m137599	£ S	96.0000	PLOU01		\$219,04	0.0000	0	
14)	M5052H32S.040	sf	5/23/2017	5/19/2017	32.0000	\$2.86	0.0000	0	\$91.50
S _o		5052-H32 .040 Sheet sf m137599 38	et sf	32.0000	PLOU01		\$91.50	0.0000	0	
16		71401-45		5/19/2017	5/19/2017	1.0000	\$0.00	0.0000	0	00 0%
S.		PROCUREMENT QUALITY CLAUSES m137599		1.0000			80.00	0.0000		
								Total Received Quantity:	Juantity:	369,0000
							Total	Total Qty to Inspect (PO U/M):	O U/M):	0.0000
								Total Reject Quantity:	Quantity:	0.0000
								Total Receipt Value:	ot Value:	\$1,193.68
							8			

VendorID\Vendor Name PO36346 9

Purchase Order ID/ Curr Type

CAD

0.0000

Total Balance Due Quantity:

110/12/9	ACIER OUELLETTE INC.	Order	Order - Sales	Сору со00030903
00150151	Salaberry de Valleyfield (Québec) 16S 5L1		Customer N°	CL10001056
	Fex: 450-377-5696 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242	800-667-4248	Date	2017/05/17
			Delivery date	2017/05/19
			Your order N°	36346
S O	Shipped to DART AEROSPACE LTD		Processed by	Josianne Bourdon
1270 , ABERDEEN ST. HAWKESBURY. Ontario. K6A 1K7	Optario		Salesman	
	, common of		Carrier	OUELLETTE VALLEYFIELD
	Att : CHANTAL LAVOIE Tél.: 613-632-5200	200	Credit Terme	NET 30
	Delivery Route 5		Page	н
a Citation C to be and			PCS NB	Internal Use Only
roance pescubnon	Weignt	D/M	CMD EXP B/O	IN I S C OUT
1 ALU SHEET .064 (14G) 2024-T3 (4 X 12) FEAL-0644122024 3166 ACONOMENT - * CA * - 18/05/2017	0.90 48.00	PIZ_\$CLB	1.00	
1 X 4' X 12' HEA (* : 21715689)		<i>-</i>		
2 SHEET SS 11G SS304-28 (4 X 8)	5.25 32.00 P	PIZ_\$CLB	1.00	
FESS-11G4830428 3402 1 X 4' X 8' HEATI:\233Y				
3 ROUND SS 3/8 304 (12R) RSS-38-12 2 7 1 2 1 1 LEME - VOLUS	0.38 24.00	PI_\$CLB 2	2.00	
3/4 304 (12R	1.50 24.00	PI_scuB 2	2.00	
2 X 12' R/L HEAT: 1008				
5 FLAT ALU 3/8 x 3/4 6061-76 (20) FAL-3834-20 2619 1 X 20' HEAT-201621525	0.33 20.00	PL_SCLB 1	1.00	

NIR: R-109516-6

110/12/2		Order - Sales	Copy C000030903
1000 EUE/11E	Salaberry de Valleyfield (Québec) 165 51.1	Customer N°	CL10001056
	Tel.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242	48 Date	2017/05/17
		Delivery date	2017/05/19
		Your order N°	36346
	Shipped to	Processed by	Josianne Bourdon
DARI AERUSPACE LID 1270 , ABERDEEN ST.	DAK! AEKOSPACE LID	Salesman	
HAWKESBURY, Ontario, K6A 1K7	, Ontario,	Carrier	OUELLETTE VALLEYFIELD
	Att : CHANTAL LAVOIE Tél.: 613-632-5200	Credit Terme	NET 30
	Delivery Route 5	Page	2
		PCS NB	Internal Use Only
Product Description	Weignt Qty U/M	CMD EXP B/O	IN I S C OUT
6 FLAT ALU 1 1/4 X 2 6061-T6 (12) FAL-1142-12 1 X 12' HEAT (200247114)	2.94 12.00 PI_\$CLB	1.00	
7 FLAT ALU 3/4 X 1 6061-T6 (20) FAL-341-20 1X 20' HEAT;382828	0.88 20.00 PI_\$CLB	1.00	
8 ROUND ALU 3/8 6061-T6 (20) RAL-38-20 1 X 20' HEAT:65832	0.13 20.00 PI_\$CLB	1.00	
9 ROUND ALU 5/8 6061-T6 (20) RAL-58-20 1 X 20' HEAT 66092	0.36 20.00 PI_\$CLB	1.00	
10 ROUND ALU 1 6061-T6 (20) RAL-1-20 1X 20" HEAT:65832	0.93 20.00 PI_\$CLB	1.00	

NIR: R-109516-6

1011-15	Order OUELLETTE INC. Orde	Order - Sales	Se		Copy	CO00030903
UNFULE///E>	Salaberry de Valleyfield (Québec) J6S 5L1	Customer N°	No	CL10001056	1056	
	Tel.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242	Date		2017/05/17	5/17	
		Delivery date	ate	2017	2017/05/19	
		Your order Nº	°×	36346		
Billed to S DART AEROSPACE LTD	Shipped to DART AEROSPACE LTD	Processed by	by	Josiann	Josianne Bourdon	
		Salesman				
HAVINESBURY, Uniding, KoA IK/	, Ontario,	Carrier		OUELLE	OUELLETTE VALLEYFIELD	ELD
	Att : CHANTAL LAVOIE Tél.: 613-632-5200	Credit Terme	ne	NET 30		
	Delivery Route 5	Page		m		
Product Description	j	PCS NB	NB		Internal Use Only	VinC
roduct Description	weight Qty U/M	CMD EXP	8/0	NI	I S C	OUT
11 ALU SHEET .064 (14G) 6061-76 (4 X 8) FEAL-064486061 3175 3 X 4' X 8' HEAT: 6150987001	0.90 96.00 PI2_\$CLB	3.00	-			
13 CARRE AL. 7075-T6 CARRE 1 1/2 PLI CARRE AL. 7075-T6 1 1/2 1 X 12' PLI	1.00 UN_SUN	1.00				
	Total Weight (LBS) :1 14.50 N	NIR: R-109516-6				
Londing 18: Londing the same as offered and honored by the manufacturer and his warranty offered by "Acer Duellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Duellette Inc." to the client. The buyer secepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the sciler, at his choice to claim for the balance due or the repossession of the goods soid. All daims must be made within the (5) days, with this document enclosed. Any merchandise that has been damaged, cut or modified connot be returned. All goods returned must be with our authorization and are subject to	it is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty off-red anathy is transforred by "Acce Ducllette Inc." to the client. The buyer hereby accepts to respect the trateon charges of 2% per month (24% per annum) on all past due amounts ever 30 days. Any default in at his choice to claim for the balance due or the repossession of the goods soid. All daims must be made lod, cut or modified cannot be returned. All goods returned must be with our authorization and are subject.	se. The warranty offered copts to respect the 30 days. Any default in Ill claims must be made norreation and are subject	2 2			

2 249.51

Total (\$CAD) Deposit Balance

0

Customer's Signature

Time

Delivered By:

Verified By:

Prepared By:

2 249.51

110/15/6	ACIER OUELLETTE INC.	Order	Order - Sales	Сору соооозо903
001-11-111	Salaberry de Valleyfield (Québec) 365 5L1		Customer N°	CL10001056
	Fax: 450-377-4248 MU: 514-536-4248 Ext.: 800-667-4248 Fax: 450-377-5696 MU: 514-336-4246 Ext.: 866-456-4242	800-667-4248	Date	2017/05/17
			Delivery date	2017/05/19
			Your order Nº	36346
Billed to DART AEROSPACE LTD	Shipped to DART AFROSPACE LTD		Processed by	Josianne Bourdon
432			Salesman	
HAWKESBURY, Ontaile, NoA 1K/	, Ontano,		Carrier	OUELLETTE VALLEYFIELD
	Att : CHANTAL LAVOIE Tél.: 613-632-5200	5200	Credit Terme	NET 30
	Delivery Route 5		Page	2
Product Description	Weight	W/II	PCS NB	Internal Use Only
	Acidius Cra		CMD EXP B/0	IN I S C OUT
6 FLAT ALU 1 1/4 X 2 6061-T6 (12) FAL-1142-12 2453 1 X 12' HEAT:200247114	2.94 12.00	PI_\$CLB	1.00	
7 FLAT ALU 3/4 X 1 6061-T6 (20) FAL-341-20 2585 1X 20' HEAT:382828	0.88 20.00	PI_\$CLB	1.00	
8 ROUND ALU 3/8 6061-T6 (20) RAL-38-20 5159 I X 20' HEAT:65832	0.13 20.00	PI_\$CLB	1.00	
9 ROUND ALU 5/8 6061-T6 (20) RAL-58-20 5168 1 X 20' HEAT: 66092	0.36 20.00	PI_\$CLB	1.00	
10 ROUND ALU 1 6061-T6 (20) RAL-1-20 IX 20' HEAT, 552 38	0,93 20.00	PI_\$CLB	1.00	

NIR: R-109516-6

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) 16S 5L1 Tél.: 450-377-4248 Mt: 514-336-4248 Ext.: 800-667-4248

Delivery date Customer N° Date

111

CLI0001056 2017/05/17 2017/05/19

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

OUELLETTE VALLEYFIELD Josianne Bourdon NET 30 36346 Your order N° Processed by Credit Terme Salesman Carrier Page Att : CHANTAL LAVOIE Tél.: 613-632-5200 ın DART AEROSPACE LTD **Delivery Route** Shipped to , Ontario, DART AEROSPACE LTD 1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7 Billed to

FEAL-04048 ALU SHEET

inly	TUO		
Se 0	v		
nal	s		
Internal Use Only	I		
	IN		
B	B/0		
PCS NB	EXP		
	CMD	1.00	2.00
II/M	-11-	N	P12
Oto		1.00	2.00
Weight		576.51	0.64
Product Description		ALU SHEET .040 (18G) 5052-H32 (4 X 8) FEAL-040485052 3124 1 X 4' X 8' HEQ (12 366 - 2 - 5 - 1)	EXP METAL 1/2 18 F (8X4) MD-1218F84 3926 2 X 4' X 8'

Conditions:

All sold materials remain the property of "Acier Quellette Inc" until payment is made in full, complets and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Quellette Inc" is the same as offered and honored by the manufacturer and his warranty is transforred by "Acier Quellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing days and the honored by warranty is transforred by "Acie Oncilette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing days and the transformed that the passes are an acie of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made an acie subject to a 25% restocking charge.

NIR: R-109516-6

Total Weight (LBS):1 577.15

Customer's Signature Time Delivered By: Verified By:

218,99 Balance Deposit Total (\$CAD)

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0.00

218.99

KAISER ALUMINUM Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586 CERTIFIED TEST REPORT Serial Number 4457194 CUSTOMER PO NUMBER: WORK PACKAGE: CUSTOMER PART NUMBER: SHIP RUN/LOAD: GOV'T CONTRACT NUMBER: C73957-4 103875/13 KAISER ORDER NO: SHIP DATE: ALLOY: CLAD: TEMPER: PRODUCT DESCRIPTION: 1231001-4 27-MAR-2017 2024 BARE T3)-HT Flat Sheet WEIGHT SHIPPED: QUANTITY: TRUCK B/L #: GAUGE DIAMETERWIDTH: LENGTH-0.0630 IN 48.000 IN 144,000 IN 2463 LB 56 PCS EST. 2065986 (1.6002 MM) (1219.2 MM) (3657.6 MM) MHU 2101105: LOT 217156B9: 56 pieces; 0035444 **Certified Specifications** √ AMS 4037/RevQ ✓ AMS-QQ-A-250/4/RevB √ ASTM B 209/Rev14 CMMP 019/RevD J CMMP 025/RevV Test Code: 1504 **Test Results** Lot: 217156B9 **Cast 387** Drop 93 Ingot 4 Melted in USA (ASTM E8/B557) (EN 2002-1) Tensile: Dir / # Tests Elongation % Temper Ultimate KSI (MPA) Yield KSI (MPA) T3 LT / 2 (Min:Max) 66.8:67.0 45.2:46.3 19.0:19.3 (461:462) (312:319) (ASTM E1251) Chemistry: SI FE CU MN MG CR ZN TI ZR OTHER Actual(wt%) 0.04 0.10 4.7 0.52 1.4 0.00 0.10 0.01 0.01 0.00 TOT 0.05 **ALLOY LIMITS** SI FE CU MN MG CR ZN TI ZR OTHER MAX 2024 MIN(wt%) 0.00 0.00 3,8 0.30 0.00 0.00 1.2 0.00 0.00 0.00 0.05 **EACH** MAX(wt%) 0.50 0.50 4.9 1.8 0.10 0.25 0.05 0.15 0.05 TOT 0.15

Aluminum Remainder



CERTIFIED TEST REPORT

Trentwood Works - Spokane, WA 99215 Phone: (800) 367-2586

Serial Number 4457194

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JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

Page 2 of 2

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North American Stainless Canada Inc., 740 Imperial Road North «Guelph, ON NIK1Z3

METALLURGICAL TEST REPORT

6870 Highway 42 East Ghent, KY 41045-9615

Cartificata: 251536 N

Customer: 007035 016

PRODUCT DESCRIPTION:

Your Order:

786660

MAS Order: DS 0010889

01

Date: 1/04/2017 (502) 347-6000 Page:

Finish: 2B Stmol: 304

Corresion: ASTN A262/15 A; 180Bend-ON

STANINIESS STEEL COIL, C.R. ANNEALED & PICKLED; UNS 30400
ASTM A240/15b, A480/15, A666/15 ASMX BA240/15, EA480/15, BA666/15
CHEM ONLY ON FOLLOWING ASMX: A276/16, A479/16, A484/15, A312/16
CHEM ONLY ON FOLLOWING ASMX: BA312/13, BA479/13
AMS 5513J JOHK; MIL-S-5059D AFMXD3 (X CROWN NEAS)
NACE MR0175/160 15156-3:2009 A, MR0103/07;005766D-A X MAG FERM SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED EN 10204:2004 3.1; RoHS 1 & 2 Compliant

Product Mfg.by a Quality Mgt.Sys. in Conf. w/150 9001 Steel Making Process: EAF, AOD, & Cont. Casting Material is Free of Radioactive Contamination Mat'l is Free of Mercury Contamination. REMARKS: "Nelted & Manufactured in the USA; Mat'l is DFARe Compliant No wald repairs.

			233x	HEART		CHEMICAL		03233Y AS 03		Froduct Id Co
.3995	1 1 S	. 0808		200		ANALYSTS		03233Y AB		Coil # Sky
		T8.0340		CB %				(1200)	Skid # Thickness
		100 100 100 100 100 100 100 100 100 100	0 0	C 200	Of Well)			48.0000	- 1	Width
		1.8015	% Kita	-	ES(Spain) U					
		3685	% OW		Chit Country of Mett) ES(Spain) US(United States) ZA(South Africa) JP(Japan)			16,790 COIL	1	Weight
		.0695	14 %		ZA(South Afr	Lab &c			The State of	- Length -
		8,0095	% IN		ica) JP(Japan)	creditation		in the	42 10 10 10 10	- Carry
		.0335	75		D	Burght,	,	e d	STOCKE	
		.0010	S 3;	1	hemical Analysis	ISO/IEC 17025, C	PCOC / PL	7633557	Compatible control compatible code	
					Chemical Analysis per ASTM A751/14s	Lab Accreditation Bureku, ISO/IEC 17025, Certificate# 12323		The state of the s		

ME CHANIC AL Ы ROPE おけば to EQ.

03333Y AB	Product Id# Coil #
03233X AB F T .94.92	Coll #
19 13	азы мр
94.92	TTS 20C
46.25	20C .2% YS 20C ELONG %
52.02	%-2"
87.00	% Hard
87.00	Tail

NAS hereby cartifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr. HOH.

KRIS LARK

1/04/2017

j.a



METALLURGICAL TEST REPORT

6870 Highway 42 East Gheat, KY 41045-9615 (502) 347-6000 70354

Cartificate: 157473 LIT

Customer: 007035 501

Your Order:

775671

Order: PM 0061596 02

North American Steinless Canada Inc. 740 Imperial Read North Guelph, ON NIK1Z3

Dates

Pager

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Finish: Co Breek: 30473062 3/23/2016

Contoutou: ASTM A262-10 Proc A/B ox

ASTM A278/15, ASTM A479/15, ASTM A182/13 CHEM ONLY, ASTH A193/10A-ASHE SA193/10 CL 1 GR B8 SOLUTION ADMITAL TEMP 1900F NIG, ASTY 5320/08 CL 1 GR B8 ANS 5639H, ANS 5647J, ANS 208-763D, QOS-763P, ASIM 7899/11 THE 30400/30403 EN 10204 3.1, ASTN 3484/13a ASME SK479/13, ASME SA182/10 CHEM ONLY Round Bar, Annealed, Cold Draw PRODUCT DESCRIPTION

> COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 REMARES:

THE DEA FREE FROM MERCURY AND LOW MELTING ALLOY CONTANIONATION 2011/65/70-2018. EAF+ACD+CC. NO NELD ENPAIR. MELTED AND HIG EU DIRECTIVE

Product Id	Ski	Skid # Diameter Size	Weight 1:038	144.00 17 1 715E7017	103	Lacou C
6 605788		3750	1038	1.16.00	17	17 1 71553037
				March Cont	boltration	and Accordingtion Durent, ISO/IEC 17025, Cartificates 12327
CHEMICAL	ANALYSIS		CM(Country of Malt) ES(Spain) US(United Status) IA/South Africa) JP(Japan)	IA/South Africa	inder)dr (JP(Japan) Chemical Analysis for Astr A751/14a
News	2, J MO	S * CR *	CR % CU 1. MR W	H CKS	N N	777
BUCK		- 4		I		
1	.0218	.1865 18.3200	.4590 1.3755	3500	.9733	.9733 8.8598
	to at	* 1.6				

MECHANICAL М ス 〇 hd N H |-|M KQ

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23.0 98,22 113.80 \$2.71
87 KSX 93 93.71
3. 10 52.71
52 - 75. 82 - 75.
239.05

KRIS LARK

3/23/2016

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NAS

North American Stainless Canada Inc. 740 Imperial Road North Guelph, ON NIK1Z3

METALLURGICAL TEST REPORT

6870 Highway 42 East H 766 Ghent, KY 41045-9615 (502) 347-6000

Finiah: CD Steel: (304/3041)

Date: 11/03/2016

Fage:

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Corresion: ASTH A262-10 Prac A/E OK

PRODUCT PESCRIPTION: 781999 MAS OXGET: PM 0068543 07

Round Bar, Amealed, Cold Draw

Lonz Orders

REMARKS:

IN USA PREE PROM MERCURY AND LOW MELTING ALLOY CONTAMINATION COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 Z011/65/KU.RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MEG ED DIRECTIVE

UNS 30400/30463 EN 10204 3.1, ASTW A484/15
\$\frac{\text{A27}\text{B/15}}{\text{A27}\text{B/15}}, ASTW A479/15, ASTW A182/13 CHEM ONLY,
ASSW SA479/13, ASSW SA182/10 CHEM ONLY
ANS 5639%, AMS 56479, AMS 909-763D, 908-763F, ASTW F899/11
\$\text{COLUTION ADDRAL TIMP 1900F MIN, ASTW A320/09 CL 1 GR B8
ASTW AL93/10A-ASTW SA193/10 CL 1 GR B8

1008 / 0872	HEAT CH C %	CEPETCAL ANALKSTO		DATOR! A	964	Product Id	
2 .1530 18.1760	೦೦% ೧೫% ೧೮%			7500		Skid # Diamoter Sing	
50 .5000 1.3220	क वस १६ आप १६ तत	Cli(Country of Mett) ES(Spein) US(United States) ZA(South Airice) JP(Japan)		1,106		Kaight	
.3280 .0768	अव ३ व	s) ZA(South Africa) JP(Jap	Lab Accreditation	144.00 1		Hark	
8.5370	NI X		Pol	6 1	- 1		
.0320	2 %	Cocnical Analysis per ASTM A751/14a	ureau, IBO/IEC 17025, Certificator L2323	71553075		Pieces Commodity Code	

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2040

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the meterial meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.	BI1627 2	Product Id
o analysis on the material mest	30 1:1	n o o s
uls cardification the specific description of the specific	783.0	KB Ko.
on is correct cations stated	69.70	HOM SAR
Based upon the These resulth writt	96.71	SEC
results and	70-44	22.4
the accuracy	52.64	Elng Buta
Technical		

KRIS LARK

11/03/2016



Service Center Metals

5850 Quality Way Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



оия олоек мижеея 279670 / пъм 1

Quantity Certified 1,089 lbs 165pcs CUSTOMER PART NUISER MANNEST NUMBER CUSTOMER PO V836912 C73693 316788 SCRB .375x.750 DESCRIPTION ALLOY ATOMPER 6061-T6511 RB0080 DATE OF SHIPHENT SALESPERSON D.Schroeder (Canada) 12/13/2016

ASTM-B221)14 No Stencil
specification
AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-76511 also meet the requirements of 6061-76.

This product is RoHS-2, REACH, and DFARS compliant.

201621525 /135097	3 201621427 R195096	Mechanical Properties Tests Lot No.
12/10/16	12/7/16	Test Date
min	min	Ultimate
43.90	46.10	Strengt
max	max	Jitimate Tensile
43.90	46.90	Strength (KSI)
min	min	Yield Strengt
40.90	43.10	(KSI)
max	max	trength
40.90	43.90	SI)
min 14.60	min 11.40	Per
max	max	Percent
14.60	16.80	longation

			4.	,)									
United States of America United States of America	0.15	0.05	98.01 98.01	0.02	0.01	0.07	0.86	0.06	0.20	0.16	0.63	6061	201621427 201621525	2K161204C 201621427 2K161206C 201621525
Melt Source:	Total	Each	12	ı=	<u>Zn</u>	ĮΩ	Mg	Mn	D	177	R	Alloy	Lot No	Cast #
	Others	Q.						L	y 6061	Im Allo	Jumnic	on for A	Compositi	Chemical composition for Aluminum Alloy 6061

Calvin J. Wiggins, Director of Quality & Technical Services

Flav 9-8/16

47634





CERTIFIED TEST REPORT

http://Online.KalserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO, MI 49048

787479-1		513188	71/EAST	1,250 X 2,000 SC	RECT BAR	
NUSER ORDER NUMBER	OU1		11/29/2016	200247114	ALSV.	TEMPER
₩EIGHT SHIPPED 988.000 LB	28.000 P	cs	84 NUMBER 617538	EHAITT-TALISAND	WIOTH	12 000 FT

Actual Physical Properties

REFERENCE	DASH	SAMPLE	UTS (KSI)	XTS (KG1)	ELONGS		BERNO	CONDUCT,	BEND
200247114	0001	0001	55,2	22.2	16,0	RE	94	N/A	N/A
200247114	0001	0002	46.6	41,1	13.9	SIL	9.5	N/A	N/A
200247114	0001	C003	\$6.9	42.8	38.4	32.80	92	N/A	N/A
200247114	0001	0004	44.0	30.9	28.0	BE	92	N/A	N/A
200247114	0001	0005	50.6	\$7.6	16.9	HE	9.3	B/A	N/A
200247114	0001	0006	44.1	39.0	17.3	RE	91	N/A	N/A
200247114	2001	0007	44.2	39.8	15.0	RE	93	N/A	N/A
200247114	0002	0001	45,0	39.9	15.4	IUK	92	9/A	N/A
200247114	0002	0002	49.1	45.1	39.1	RE	93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	32	Pu	Cu	Part .	Mg	Cr	250	Ti	60	81	25.27	Ea	Tot	
Maximum	0.80	0.70	0.40	0.15	1,20	0.35	0.25	9.15	NA	NA	NA	0.05	0.15	-
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00	
106660	.59	.26	.19	.07	.84	.06	.03	.03	.00	.00	, 00	0.0	1	1 .04

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SRZZI 2009 STOT IT AMS-QC-A-200/8A SMS-A96061 (T6511 also conforms to T6-not applicable to other tempera)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00261177

Raiser Order Number: 602120m

Line Tham: 001

rage ; of Z





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LIC horeby cartifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Avneud Macrowater

Plant Serial: 00261177 Kaiser Order Number: 6021208

Line Item: 001



TEL: (416)745-4444 FAX:(416)745-0925 1-800-568-7210 411CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4 http://www.extrudex.com

MILL TEST

Chemical Composition SO DESCRIPTION
3/4"X1" FLAT BAR 382828 **Mechanical Properties** Cast Number A.11 Q. A.11 6061 0 Alloy Alloy 6061 0.61 EO: 0.15 F C72843X CERT CODE: CUSTOMER PART NUMBER V836442 0.22 6 Jun/18/2016 Test Date 0,04 M 0.89 K Ultimate Tensile
Strength (KSI)
45.10 0.07 B 3/4"X1" FLAT BAR 6061 DIE NUMBER co \mathbb{Z} 0 2444 T6511 10.0 2 Yield_Strength 10.0 ㅂ HOUSE ACCOUNTS DATE OF SHIPMENT Jun/27/2016 S (KSI) 0 40.70 0 Elongation Percent igo: 0 16.10 N 0 ASTM 8221-14 - AMS QQA 200/8 Samuel stnd shapes EXTRUDEX ORDER NO. Hardness Rockwell F SPECIFICATION CERTIFICA TION 89.7, 90.3, 90.0 194907 -0 0 B MADE IN CANADA 0 R 0 K 0 Conductivity 6 0 Remainder MANIFEST NO 2 Other 0

specifications. We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper

David Natale

Quality Control Manager

1 - CUSTOMER COPY

68263 RAL 38

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer:

LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address :

4054 BOUL, LE CORBUSIER # 201

LAVAL QC H7L5R2

commande Sapa / Sapa order #:

6021284

bon de commande / Purchase order #: OU-45652

de matrice / Die # : MS 9903

Description: (3/8"ROD

Alliage & frempage / Alloy & temper ; 6061 76

tongueur / Lenght: 6097 mm

de contrôle / Control # :

63542-1

de coulée / Cast # :

65832

Dureté Rockwell E /

Min. requis /

Max. permis /

Rockwell E hardness: 90 HRE

Min. required: 38 HRE

Max. permitted: 100 HRE

Composition chimique typique / Typical chemical composition:

	Si	Fe	Cu	Mn	Mg	Cr	Zn	n
6063	0.20 - 0.60	0.35 Max	0,10 Max	0.10 Max	0.45 - 0.90	0.10 Max	0.10 Max	0.10 Max
6005	0.60 - 0.90	0.35 Max	0,10 Max	0.10 Max	0.40 - 0.60	0.10 Max	0.10 Max	0.10 Mgx
6005A	0.66-0.74	0.14 - 0.28	0.08 - 0,16	0.18 0.26	0.46 - 0.54	0.03 Mox	0.05 Max	0.05 Max
1303	0.40 - 0,80	0,70 Mux	0.15 - 0.40	0.15 Max	0.80 - 1.20	0,04 - 0.35	0.25 Max	0.15 Max
6351	0.7 - 1.3	0,5 Max	0,10 Max	0.40 - 0.60	0.40 - 0.80		0.20 Max	0.20 Mark

Nous certifiens que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la normé ASTM B-221-)14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied moets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre.

date: 2016-04-19

Yours truly.

Gilles Pelletier

Technicien de la qualité

Quality technician

F.07.04 rev0 Rapport depropriétés mécaniques dec

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer:

LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address :

4054 BOUL. LE CORBUSIER, #201

LAVAL, QC H7L5R2

commande Sapa / Sapa order #:

6031289

bon de commande / Purchase order #: OU-45668

5668

de matrice / Die # : M\$ 9907

Description: (5/8"DIA ROD

Alliage & trempage / Alloy & temper :

6061 16

Longueur / Lenght: 6097 mm

de contrôle / Control #:

65547-1

de coulée / Cast # :

86092

Dureté Rockwell E /

Min. requis /

Max. permis /

Rockwell E hardness: 93 HRE

Min. required: 88 HRE

Max. permitted: 100 HRE

Composition chimique typique / Typical chemical composition:

	51	fe	Cu	Mn	Mg	Cr	In	T)
6043	0.20 - 0.60	0,35 Max	0,10 Max	0,10 Max	0.45 - 0.90	0.10 Max	0,10 Max	0,10 Mgx
4005	0.60 - 0.90	0,35 Max	0,10 Max	0.10 Max	0.40 - 0.60	0,10 Max	0,10 Max	0,10 Max
4005A	0.66- 0,74	0,14 - 0,28	0.08 - 0.16	0.18 - 0.26	0.45 - 0.54	0.03 Max	0.05 Mox	0.05 Max
4041	0,40 - 0,80	0,70 Max	0,15 - 0,40	0.15 Mox	0.60 - 1.20	0,04 - 0.35	0.25 Maz	0.15 Max
4351	0,7 - 1,3	0,5 Max	0,10 Max	0.40 - 0.80	0.40 - 0.80	000	0,20 Mex	0,20 Mox

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la nomne ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,

date: 2016-05-12

Yours truly,

Gilles Pelletier

Technicien de la qualité

Quality technician

F.07.04 rev0 Rapport depropriétés mécaniques.doc

68564

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer:

LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address:

4054 BOUL, LE CORBUSIER # 201

LAVAL, QC H71582

commande Sapa / Sapa order # :

4021264

bon de commande / Purchase order # : OU-45552

de matrice / Die # : MS 9903

Description: 3/6"ROD

Alliage & frempage / Alloy & fernper: 6061 To

Longueur / Lenght: 6097 mm

de contrôle / Control #:

63542-1

de coulée / Cast # :

65832

Dureté Rockwell E /

Miri. reguis /

Max. permis /

Rockwell E hardness: 90 HRE

Min. requireci : 88 HRE

Max, permitted: 100 HRE

Composition chimique typique / typical chemical composition;

	12	fe	Cu	A4s	Mg	Cr	Zo	Ti
6063	0.20 0,60	0.35 Max	0,10 Max	0.10 Mgz	0.45 - 0.90	0.10 Max	0.10 Max	0,10 Max
6005	0.60 - 0.90	0,35 Mcsa	0.10 Max	0,10 Mux	0.40-0.60			
6005A	0.86-0.74	0.14 - 0.28	0.00 0.16	0.16 0.27	0.14 0.14	0.00 Max	0.05 Mus	0.05 Max
6061	0.40 - 0.80	0.70 MO/	0.15 - 0.40	9.15 Mus	191-130	0.04 0.05		0,15 Max
6351	07.13	1			0.40 , 0.80	1 12 2 2 3 2 4 2 4 C	0.20 4404	O W Mas

Nous certifions que le matériet fourni rencontre les exigences chimiques telles qu'annoncess par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASIM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre.

date: 2016-04-19

Yours Iruly.

Gillas Pellation

l'echnicien de la qualité

Quality technician

F.07.04 rev0 Rapport depropriétés mécaniques dos

MILL TEST/QUALITY CONTROL CERTIFICATE ALNAN ALUMINIUM INC.

No.55 Tingitiony Road Nanning, Guango, 530031, China

Lot Number 1001.860519 \ 61105C209105 purpuras Standard Standard The following blank REAT Number Special Standard Standard T6121-1097 3.277-6.525 0.129-0.249 L651-3251 0.065-0.128 0.940-1.626 0.037-0.064 Dimension (mm) Dimension 57-CD070 (कंक्क) Act Act Thick Thick (mm) (inch) Ş 0.060 Weight t.tog 1900 Alloy 1909 6061 1909 Temper 16 16 76 됞 remainder 0.15-0.40 0.3-1.2 0.40-0.8 0.7max 0.15max 0.25max 0.15max 0.04-0.35 10min 42.0min 35.0min renainder 0.15-0.40 | 0.5-1.2 | 0.40-0.3 | 0.7max. | 0.15max. | 0.25max. remainder 0.15-0.40 0.3-1.2 0.40-0.3 0.7max 0.15max remainder 논 ŝ S 0.93 X 2 020 N PRODUCT TYPE PRIME ALUMINUM COIL 6 7 0.11 Mit 0.25mar 0.15mar 0.07 Zo 0.15max 20.0 Ħ 0.04-0.35 10min. 0.040.35 18min | 12.0min | 35.0mi 0.74 ብ DATE:February 20,2016 (%) 3col3 0.1-1 420min. 35.0mi KG: \$7.7 115

OFIGIN OF GOODS AS ALNAN ALUMINIUM INC.

ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN IMPERIAL NOMENCLATURE REQUIRED PER SKID

MATERIAL CONFORMS FOR ALLOY 6061, T6, AS PERÁSTM B209-10,AMS QQA 250/11, AMS 4027 AND ALUMINUM ASSOCIATION STANDARDS-2009 IN ALL ASPECTS.

COUNTRY OF MELT AND MANUFACTURE:CHINA

Issued by [0473]

THE STATE OF THE S

Reviewed by



ALCAN ALUMINIUM INC /1

66517

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer:

LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address :

commande Sapa / Sapa order #:

5100562

bon de commande / Purchase order #: OU-44741

de matrice / Die #: MS 9913

Description: 1" DIA. ROD

Alliage & trempage / Alloy & temper: (6061 T6)

Longueur / Lenght: (6097 mm)

Contrôle / Control # (55238-1

Coulée / Cast #: 64405

Dureté Rockwell E /

Min. requis /

Max. permis /

Rockwell E hardness: 94 HRE

Min. required: 88 HRE

Max. permitted: 100 HRE

Composition chimique typique / Typical chemical composition:

Ailiage/Alloy	\$1	Fe	Cu	Mn	Mg	Cr	Žn .	<u> </u>
4043	0.20 - 0.60	0.35 Max	0.10 Mox	0,10 Max	0.45 - 0.90	0,10 Max	0.10 Mar.	Jule Marc
4005	0.60 - 0.90	0,35 Max	0,10 Max	0,10 Mox	0.40 - 0.60	0,10 Max	0,10 Mcix	0,10 Mgx
4005A	0.66-0.74	0.14 - 0.28	0,08 - 0,16	0.18 - 0.26	0.46 - 0.54	0.03 Max	0.05 MOA	0.05 Mux
4041	0.40 - 0.80	0.70 Max	0.15 - 0.40	0,15 Max	0.80 - 1.20	0.04 - 0.35	0,25 Max	0.15 Mox.
4261	0.7-13	0.5 Max	0.10 Max	0.40 - 0.80	0.40 - 0.80		0.20 Max	6 20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles au annoncees par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,

date: 2015-11-12

Yours truly,

Gilles Pellelier

Technicien de la qualte Quality technician

F.07.04 rev0 Rapport depropriétés mécaniques.doc

浙江永杰铝业有限公司

Zhejiang Yongjie Aluminum Co., Ltd.

Jiangdong Industrial Area, Xiaoshan Economic and Technology Development Zone, Hangzhou, 311222, China

MILL TEST

9.

EMPIRE RESOURCES,INC. 2115 LINWOOD AVENUE, FORT

2115 LINWOOD AVENUE, FORT LEE, NEW JERSEY 07024, USA

TEL: 201.944.2200 X 123/ FAX:201.944.2226

SHIPPING MARKS:N/M

> Invoice No.: YJ1608:7-4 Date: AUG. 17, 2016

OTHER PRINCE	CHIEF THO MAKAGININ	4/141																		
Packag			Alloy/		Actual	N.W.	G.W.				CHEN	CHEMICAL COMPOSITION	SOdwo	MON.%				PR	PROPERTIES	S Y
e No.	O No.	nest Number	Temper	Specification	ess	(MT)	(NTT)	Si	Fe	Cu	Nin	Мg	<u>Z</u> .	Zn	ᆲ	ਹ	AI	(KS:)	Yield (KSI)	Yield Elongat (KSI) ion (%)
205-7	R151652	016060834-1	AA5052-H32	0.050"*48"120"	0.050	1.893	1.954	0.110	015.0	0.020	0.010	2.360	*	:	0 013	0.170	97 10	32.9	26.7	7.5
205-8	R151525	016070433-3	AA5052-H32	0.500~48~120	0.494	1.874	1.936	0 120	0.240	0.010	0.010	2.380	ı		0.012	0.130	97.03	31.9	25.4	22.0
205-9	R151654	016070395-2	AA5052-H32	0.125"48"120"	0.125	1.952	2016	0.080	0.240	0.010	0.010	2 460	-	:	0.012	0.180	96 99	32.9	A1 Ø. in	0.0
205-10	R151629	016070631-2	W3003-H14	0.053**43**129	0.083	2.026	2.088	0.160	0.510	0.080	1,000	0010	1	:	0.015	1	98.22	21.2	19.6	5.0
205-11	R151629	016070631-4	AA2003-H14	0.053**48**120	0.063	2.007	2.088	0.160	0.510	0.080	1.000	0.010	1	:	0.015	1	98.22	21.2	19.5	8.0
200-1	R15164S	016071215-2	AA5052-H32	0.250**48***	0.249	4.304	4.342	0.080	0.200	0.0.0	0.01C	2.370	:		0.010	0.180	97.14	34.1	26.1	15.0
206-2	R151649	016071215-1	AA5052-H32	0.250**48**C	0.249	4.400	4,436	0.080	0.200	0.010	0.010	2 370	1	***	0.016	0.180	97.14	341	26.1	15.0
206-3	R151661	016071092-1	AA5052-H32	0.250~48**C	0.249	4.418	4,452	0.080	0.240	0.010	0 0 1 0	2.380	-	:	0.01C	0.150	97.11	32.6	24.7	140
206-4	R15:661	016071095-1	AA5052-H32	0.250~48~C	0.250	4.420	4.458	0.080	0.240	0.010	0.010	2.380	I	1	0.010	0.150	97.11	32.5	23.8	14.0
206-5	R151629	016070551-4	AA3003-H14	0.080-48-120	0.080	2.000	2.062	0.340	0.440	0.720	1.280	0.050	:	:	0.014	1	97.75	21.8	20,4	8:5
206 6	R151626	016070624-1	AA3003-H14	0.080"48"120"	0.080	1.998	2.062	0.180	0.530	0.090	1.050	0.010	:	i	0.015	:	98.12	20.5	18.6	12.0
206.7	R151626	016070551-2	AA2003-H14	0.080~48~120	0.080	2.003	2.064	0.340	0.440	0.120	1.280	0.050	:	1	0.014	:	97.75	21.0	20.4	ç,
206-8	R151629	016070551-5	AA3003-H14	0.080~48~120~	0.080	2.001	2.064	0.340	0.440	0.120	1.260	0.050	:	1	0.014	:	97.75	21.8	20.4	S. 51
207-1	R151525	1A366-2-5-2	AA5052-H32	0.040**48***C	0.039	4,569	4.640	0.040	0.200	0.010	0.020	2,470	:	0.304	0.020	0.200	96.95	34.2	26.8	6.5
207-2	R151525	016061092-1	AA5052-H32	0.040~48~~0	0.039	4.291	4.356	0.110	0.220	0.0:0	0.010	2.400	í	-	0.011	0.170	97.96	33.5	26.0	75
\$ 207-3	R151525	(1A366-2-5-1)	AA5052-H32	0 040 48	0 039	٠.422	4:492	0.040	0.200	0.010	0.020	2,470	:	0.00%	0.020	0.200	96.95	34.2	26.8	6.5
207-4	R151525	016061092-2	AA5C52-H32	0.040**48***	0.039	<.305	4.374	0.110	0.220	0.010	0.010	2,400	:	1	0.011	0.170	97.06	(1) (1)	26.0	Ü
207-5	R151525	016070562-3	AA3C03-H14	0.080**48**144*	0.080	1,946	2.024	0.320	0.470	0.110	1.320	0.010	:	:	0.015	1	97.75	20.9	15.9	14.0
207-6	R15'525	016070562-1	A43C03-H14	0.080~48~144"	0 080	1,945	2.026	0 320	0.470	0.110	1.320	0.010		1	0 015	1	97.75	20.9	07:0	14.0

MATERIAL CONFORMS FOR ALLOY 5052,H32 ALUMINUM ASSOCIATION STANDARDS, ASTM B209 10, AMS-QQ-A-2500B AND AMS-4016L AND MATERIAL IN ALLOY 3003, H14 /5052, H32CONFORMS TO ALUMINUM ASSOCIATION STANDARDS, ASTM B209-10, AMS-40Q-A-250/2 AMO AMS 4000K, COUNTRY OF MELT AND MANUFACTURE IN CHINA.

MATERIAL: <u>MJOJY+35,063</u> PO DATE: <u>17-05-33</u>	/ BATCH NO	: p03634	16/M137590
QUANTITY RECEIVED: 48596 THICKNES QUANTITY INSPECTED: 48596 SHEET SIZE	SS ORDERED SS RECEIVED ZE ORDERED ZE RECEIVED	0: , CC	3
DESCRIPTION (Check Y/N)	OMMENTS		
SURFACE DAMAGE Y (N)			
CORRECT FINISH (Y) N			
CORROSION Y (N)			
CORRECT GRAIN DIRECTION (Y) N			
CORRECT MATERIAL PER M-DRAWING (N ASTM BOOG			
CORRECT THICKNESS V N			
PHOTO REQUIRED Y (N	-		
CORRECT REF # TO LINK CERT WN HT # 317 156 B9	,		
CORRECT MATERIAL IDENTFICATION V N			
CORRECT M# ON THE MATERIAL (Y) N			
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y			
DOES THIS REQUIRE AN EXTRUSION REPORT Y			
	•		
CUT SAMPLE PIECE OF MATERIAL AND PREFORM A H RECORD RESULTS BELOW	ARDNESS (CHECK.	
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	DUR A	DUR D	
testers located in the Quality Office			
QC 18 INSPECTION EN	GINEERING	SIGNOFF (if	required)
INSPECTED BY: SIGNED O	11 01		

INSPECTED BY: SIGNED OFF BY:	MATERIAL: 1300	15i	3	Р	O / BATCH NO.	£ 36346	M1375	
DESCRIPTION (Check Y/N) SURFACE DAMAGE CORRECT FINISH CORRECT FINISH CORRECT GRAIN DIRECTION CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT HICKNESS PHOTO REQUIRED Y N N CORRECT MATERIAL DEDITFICATION CORRECT MATERIAL WIND CORRECT MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS MATERIAL REQUIRE AN EXTRUSION REPORT CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING (esters located in the Quality Office) INSPECTED BY: SIGNED OFF BY: SIGNED OFF BY:	QUANTITY RECEIVED: 3359		300	S	THICKNE SHEET S	SS RECEIVED	: UX8	5
SURFACE DAMAGE CORRECT FINISH CORRECT FINISH CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS MATERIAL REQUIRE AN EXTRUSION REPORT CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW HRC HRC HRB DUR A DUR D LOUR D LO	DESCRIPTION	(Ch	eck		(COMMENTS		
CORRECT FINISH CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT MATERIAL PER M-DRAWING N PHOTO REQUIRED Y N CORRECT MATERIAL IDENTFICATION N CORRECT M# ON THE MATERIAL CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF POESTHIS MATERIAL REQUIRE ENGINEERING SIGN OFF V DOES THIS REQUIRE AN EXTRUSION REPORT V CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW HRC HRC HRB DUR A DUR D Lesters located in the Quality Office REGINEERING SIGNOFF (if required) INSPECTED BY: SIGNED OFF BY:	CUBEACE DAMACE							
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17 - 6	QC 18 INSPECTION				E	NGINEERING	SIGNOFF (if re	equired)
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MATERIAL: <u>M304</u> DATE: <u>17-05</u>			7-5	Р	O / BATCH NO.	: pe36346/113759				
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QUANTITY REJECTED:	Ġ	<u> </u>			IZE ORDERED	111/1				
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CORROSION	Y	W								
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CORRECT MATERIAL PER M-DRAWING	80	N	Astm.	4270						
CORRECT THICKNESS	(A)	N								
PHOTO REQUIRED	Y	0								
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CORRECT MATERIAL IDENTFICATION	265	N								
CORRECT M# ON THE MATERIAL	V	N								
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)								
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)								
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	te	sters	located in the Q	uality Office						
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20 IS INSPECTION				E	NGINEERING	SIGNOFF (if required)				
INSPECTED BY: CB				SIGNED	OFF BY:					
DATE: 17-05- 3	13				DATE:					

MATERIAL: M30	480	0.7	50	P	O / BATCH NO.:	0036346	14137599
DATE: 17-05							
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QUANTITY RECEIVED: 24			THICKNE	SS RECEIVED:	,74	8	
QUANTITY INSPECTED: 24				SHEET S	IZE ORDERED:		<u> </u>
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C 18 INSPECTION				E	NGINEERING	SIGNOFF LICE	equired)
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INSPECTED BY:				SIGNED	OFF BY:		
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MATERIAL: MGGG DATE: 17-05			375 xo.75	G F	PO / BATCH NO	:0036346/MP	17594
MATERIAL CERT REC'D: QUANTITY RECEIVED: 201 QUANTITY INSPECTED: 201		195		THICKN	ESS ORDERED ESS RECEIVED SIZE ORDERED	. 382	_
QUANTITY REJECTED:		Ż		SHEETS	SIZE RECEIVED	: JV/A	
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CORROSION	Y	Q)			·		
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CORRECT MATERIAL IDENTFICATION	V	N		00 10 × 5			
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DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)					
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	<u>te</u>	sters	located in the	Quality Office			_
QC 18 INSPECTION				E	NGINEERING	SIGNOFF (if require	≈ d)
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DATE: 17-05- 0	3				DATE:		

MATERIAL: MGOG DATE: 17-00	110	3 B).coox1.0	50 p	O / BATCH NO.	P036341	6/M13759
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CORRECT FINISH	(y	N					-
CORROSION	Y	N					
CORRECT GRAIN DIRECTION	Y	N					
CORRECT MATERIAL PER M-DRAWING	Q	N	ASTM	B321			
CORRECT THICKNESS	(Y)	N					
PHOTO REQUIRED	Y	(D)					
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ORRECT MATERIAL IDENTFICATION	X	N					
CORRECT M# ON THE MATERIAL	V	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)					
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	te	esters	located in the	Quality Office			
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MATERIAL: MGCG/ DATE: 17-05			<u>50 X 1,600</u>	PC) / BATCH NO.:	<u> 0036346</u>	,////		
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EXTRUSION REPORT	Y	N							
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			HRC	HRB	DUR A	DUR D			
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SIZE OF TEST SAMPLE									
HARDNESS / DUROMETER REA	ADING	3							
	tes	sters	located in the G	uality Office					
C 18 INSPECTION				E	NGINEERING	SIGNOFF (if	equir		
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MATERIAL: M661 DATE: 17-0	-	3.375	F	PO / BATCH NO.	:p=3634	6/113/599
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CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	YN					
DOES THIS REQUIRE AN EXTRUSION REPORT	YN					
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THE NEW YORK ON EVEN NEW		located in the G	Quality Office			
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DATE: 17-05-23	3			DATE:		

MATERIAL: MGC(5-	CR 23	8-625		PO / BATCH NO	0.: <u>pc3634</u>	16/M13759
MATERIAL CERT REC'D: QUANTITY RECEIVED: 20' QUANTITY INSPECTED: 20'	-	ye:	5	THICK	NESS ORDERE NESS RECEIVE	D:	25
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MATERIAL: MSCA		1+30 5 20)	PO / BATCH N	O.: PC36346/M13
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DESCRIPTION	(C	ICR heck (/N)			COMMENTS	
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CORROSION	Y	(A)	-			
CORRECT GRAIN DIRECTION	(4)		-			
CORRECT MATERIAL PER M-DRAWING	Ø	N	4510	D. C.		
CORRECT THICKNESS	Ø	N	7371	BJ09		
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DATE: MAI 2 J 2	u 10				DATE:	
					/ () lou .	

MATERIAL: MGOG DATE: MAY		201			PO / BATCH NO	D:: p03634	16/M37			
MATERIAL CERT REC'D: QUANTITY RECEIVED: 20 QUANTITY INSPECTED: 20	(35	3	THICK	NESS ORDERE IESS RECEIVE SIZE ORDEREI	D: 1	,			
QUANTITY REJECTED:	Q				SIZE RECEIVE		A			
DESCRIPTION		ICR								
DESCRIPTION		heck ′/N)		COMMENTS						
SURFACE DAMAGE	V	/(V)	-							
CORRECT FINISH	(Ý)		-							
CORROSION	Y	0	 							
CORRECT GRAIN DIRECTION	8		1							
CORRECT MATERIAL PER M-DRAWING	Ø	N	ASTM	BDDI						
CORRECT THICKNESS	(M)	N		2951						
PHOTO REQUIRED	Y	N	,							
CORRECT REF # TO LINK CERT	Y	N	144 #	55738						
ORRECT MATERIAL IDENTFICATION		N								
CORRECT M# ON THE MATERIAL	(8)	N								
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)								
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)								
CLIT SAMPLE DIEGO	- 05	BAAT								
CUT SAMPLE PIECE	I OF	IVIA I	ORD RESULT	PREFORM A	HARDNESS C	CHECK.				
		1			I DUD 1					
TYPE OF MATERIAL			11110	TIND	DURA	DUR D				
SIZE OF TEST SAMPLE										
HARDNESS / DUROMETER REA	DIN	3								
	te	sters	located in the G	Quality Office						
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER REA	DINC	G	HRC	HRB	DUR A	DUR D				
TOTASPECTION				E	NGINEERING.	SIGNOFF (if n	equired)			
INSPECTED BY: 0B				SIGNED						
DATE:										
MAY 2 5 20	117				DATE:					



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36346

Purchase Order Date 5/17/2017 PO Print Date 5/17/2017

Page Number 1 of 6

Order From:

ACIER OUELLETTE INC. 935 BOUL. DU HAVRE VALLEYFIELD, QC J6S 5L1 CA

VC-CAM002

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA



Contact Name

Vendor Phone

800 667 4248

Buver

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30 CAD

Currency **FOB**

FCA - (Free Carrier)

Ship To Contact Ship To Phone

Ship Via: Ship Acct:

Line

Nbr

Yours ppd

Reference Vendor Part Number **Line Comments Delivery Comments**

Description/ Mfg ID

Req Date/ CD Taxable **Promise Date**

Unit of Measure

Req Qty/

PO Unit Price Extended Price

M2024T3S.063

2024-T3 .063 sheet

5/23/2017 Yes 5/23/2017

48.00 sf \$8.76

\$420.35

MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037

OR ASTM B209

M304S11GA

304/316 0.125 Sheet

5/19/2017 Yes

5/19/2017

32.00 sf Line Total:

\$420.35

\$12.23

\$391.36

PURCHASE MATERIAL: AIS1 304/316 SS SHEET ANNEALED

SPECIFICATION: MIL-S-5059 OR AMS 5513 (304)

OR AMS 5524 (316)

ORASTMA240

OR ASME SA240

7 753.

Line Total:

\$391.36

PO Instructions: QUOTATION SOU0032952, SOU0034114

Note:



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36346

Purchase Order Date 5/17/2017 PO Print Date 5/17/2017

Page Number 2 of 6

1508-

Order From:

ACIER OUELLETTE INC. 935 BOUL. DU HAVRE VALLEYFIELD, QC J6S 5L1 CA VC-CAM002

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name Chantal Lavoie Buyer **Vendor Phone** 800 667 4248 **Customer POID** 10127-2607 Customer Tax# **Ship To Contact** Terms Net 30 Currency CAD Ship To Phone Ship Via: **FOB** Yours ppd FCA - (Free Carrier) Ship Acet: M304R0.375 304 ROUND BAR 0.375 5/19/2017 24.00 \$1.03 \$24.82 Yes 5/19/2017 MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 (NOTE: AISI 303 NOT ACCEPTABLE) Line Total: \$24.82 M304RO.750 304 SS Roundbar .750 5/19/2017 24.00 \$4.66 \$111.73 Yes 5/19/2017 MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 (NOTE: AISI 303 NOT ACCEPTABLE) Line Total: \$111.73 6061T6 BAR .375 x .750 5/19/2017 M6061T6B0.375X00.750 20.00 \$1.02 \$20.33 Yes

5/19/2017

PO Instructions: QUOTATION SOU0032952, SOU0034114

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR

AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR

Note:

ASTM B221



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36346

Purchase Order Date 5/17/2017 PO Print Date 5/17/2017

Page Number 3 of 6

Order From:

ACIER OUELLETTE INC. 935 BOUL. DU HAVRE VALLEYFIELD, QC J6S 5L1 CA VC-CAM002

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

800 667 4248

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

/

6061-T6 Bar 2.00 x 1.25

5/19/2017 Yes

5/19/2017

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR

ASTM B221

M6061T6B0.750X01.000

M6061T6B2.000X01.250

6061-T6 Bar .750 x 1.00

5/19/2017 Yes

5/19/2017

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 Buyer

Customer POID

Customer Tax #

Terms Currency

y

12.00

20.00

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Line Total:

\$20.33

\$9.38

\$112.53

Line Total:

\$112.53

\$2.43

\$48.62

Aine Total:

\$48.62

PO Instructions: QUOTATION SOU0032952, SOU0034114

Note:



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36346

Purchase Order Date 5/17/2017 PO Print Date 5/17/2017

Page Number 4 of 6

Order From:

ACIER OUELLETTE INC. 935 BOUL. DU HAVRE VALLEYFIELD, QC J6S 5L1 CA

VC-CAM002

Ship To: DART AEROSPACE LTD 1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name Buver Chantal Lavoie **Vendor Phone** 800 667 4248 **Customer POID** Customer Tax# 10127-2607 Ship To Contact Terms Net 30 CAD Ship To Phone Currency Ship Via: ours ppd **FOB** FCA - (Free Carrier) Ship Acct: M6061T6R0.375 6061-T6 Round Bar .375" 5/19/2017 20.00 \$0.39 Yes 5/19/2017 MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

M6061T6R0.625 6061-T6 Round Bar .625" 5/19/2017

> Yes 5/19/2017

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

20.00

Line Total:

\$0.97 \$19.49

10 M6061T6R1.000

ROUND BAR 1.00"

5/19/2017

Yes

5/19/2017

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total:

7/45-8

\$19.49

\$7.87

\$7.87

20.00

\$49.39

PO Instructions: QUOTATION SOU0032952, SOU0034114

Note:



Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36346

Purchase Order Date 5/17/2017 PO Print Date 5/17/2017

Page Number 5 of 6

Order From:

ACIER OUELLETTE INC. 935 BOUL. DU HAVRE VALLEYFIELD, QC J6S 5L1 CA

VC-CAM002

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

800 667 4248

Buyer

Chantal Lavoie

Customer POID Customer Tax #

Ship To Contact

Ship To Phone

Yours ppd

Terms

10127-2607 Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship Acet:

Ship Via:

5/19/2017

96.00

Line Total:

\$49.39

M6061T6S.063

6061-T6 .063 Sheet

Yes 5/19/2017

sf

\$3.12

\$299.23

Line Total:

\$299.23

M7075T6B1.500X1.500

7075 T6 BAR 1.500 x

6/2/2017

6/2/2017

12.00

\$40.42

\$485.00

1.500

Yes

Yes

5/23/2017

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR

PER AMS-QQ-A-200/11

M5052H32S.040

5052-H32 .040 Sheet

5/23/2017

32.00

sf

Line Total:

\$485.00

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER

QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

PO Instructions: QUOTATION SOU0032952, SOU0034114

Note:

Q115-33

\$3.91

\$125.00



Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36346

Purchase Order Date 5/17/2017 PO Print Date 5/17/2017

Page Number 6 of 6

Order From:

CA

ACIER OUELLETTE INC. 935 BOUL. DU HAVRE VALLEYFIELD, QC J6S 5L1 VC-CAM002

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

800 667 4248

Buyer

Chantal Lavoie

Customer POID Customer Tax#

Ship To Contact

Ship To Phone

Yours ppd

Terms

10127-2607 Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship Via: Ship Acct:

Line Total:

Line Total:

\$125.00

M569EX0.50-18F

569 Expanded Metal

5/19/2017

Yes

64.00 sf \$1.06

\$68.00

5/19/2017

MATERIAL: CARBON STEEL EXPANDED METAL MESH AS PER ASTM F1267 OR MIL-M-17194D

71401-45

PROCUREMENT QUALITY CLAUSES

5/19/2017

5/19/2017

No

\$0.00

\$68.00

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retension of quality documents

1.00

\$0.00

Line Total:

\$0.00

PO Total:

1450

\$2,183.72

PO Instructions: QUOTATION SOU0032952, SOU0034114

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr:

2

Change Date:

5/17/2017